# UNITED STATES PATENT AND TRADEMARK OFFICE

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| 10/003,773 | 11/15/2001 | Gregory R. Lloyd | TSQ-001RCE2 | 4625 |

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| EXAMINER |
|---|
| ABEL JALIL, NEVEEN |

| ART UNIT | PAPER NUMBER |
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| 2165 | |

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE |
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on *11/1/2006*.

2a)☐ This action is **FINAL**.        2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-24,27-32 and 34-37* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-8,14-24,27-32 and 34-37* is/are rejected.

7)☒ Claim(s) *9-13* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

## DETAILED ACTION

### *Continued Examination Under 37 CFR 1.114*

1.    A request for continued examination under 37 CFR 1.114, including the fee set forth in

37 CFR 1.17(e), was filed in this application after final rejection.  Since this application is

eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e)

has been timely paid, the finality of the previous Office action has been withdrawn pursuant to

37 CFR 1.114.  Applicant's submission filed on 13-November-2006 has been entered.

2.    The amendment filed on 13-October-2006 has been received and entered.  Claims 25-26,

and 33 have been cancelled. Claims 35-37 have been newly added. Therefore, claims 1-24, 27-32

and 34-37.

3.    Amendments to the claims have overcome the previous claim objections and rejections

under 35 USC 101, and 112, second paragraph.

### *Claim Objections*

4.    Claims 27, 30 and 31 are objected to because of the following informalities:

Claims 27, and 30-31, preamble all recite "then when executed" which are improper,

computer instruction must always be stored and executed by a computer. Claims should be

amended to deleted the "that" and just state "when executed".

*Claim Rejections - 35 USC § 103*

5.      The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains.  Patentability shall not be negatived by the
> manner in which the invention was made.

6.      Claims 1-8, 14-24, 27-32, and 34-37 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Rivette et al. (U.S. Patent No. 5,806,079) in view of Cole et al. (U.S. Patent

No. 6,571,239 B1).


        As to claim 1, Rivette et al. discloses in an electronic device, a method, comprising the

steps of:

        providing a plurality of entries containing data (See Rivette et al. Figure 3B);

        assigning an entry ID to each of said entries (See Rivette et al. column 25, lines 19-65,

wherein "entry ID" reads on "identifier"),

        each said entry ID being a unique value (See Rivette et al. column 25, lines 19-65,

wherein "entry ID" reads on "identifier");

        storing each entry indexed by the assigned entry ID (See Rivette et al. column 25, lines

19-65, wherein "entry ID" reads on "identifier");

        altering the data contained in one of a selected one of the plurality of entries and a label

associated with a selected one of the plurality of entries to create a new entry, said new entry

having an entry ID assigned (See Rivette et al. Figure 3B, Rivette et al. Figure 7B, also see

Rivette et al. column 29, lines 24-46);

cross-indexing said new entry with said selected entry (See <u>Rivette et al.</u> column 30, lines 42-65);

updating a meta structure associated with said selected entry to reflect relationship changes caused by said new entry, said updating including a time said selected entry was altered (See <u>Rivette et al.</u> column 30, lines 22-36); and

displaying said new entry in response to requests for said selected entry (See <u>Rivette et al.</u> column 29, lines 24-46).

<u>Rivette et al.</u> does not teach the metastructure maintaining a list of plurality of relationship changes occurring over time.

<u>Cole et al.</u> teaches the metastructure maintaining a list of plurality of relationship changes occurring over time (See <u>Cole et al.</u> column 6, lines 30-43, wherein "metastructure" reads on "keyword index").

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified <u>Rivette et al.</u> by the teaching of <u>Cole et al.</u> to include the metastructure maintaining a list of plurality of relationship changes occurring over time because it provides for it provides for accuracy of information frequently (See <u>Cole et al.</u> column 1, lines 64-67).

As to claim 2, <u>Rivette et al.</u> as modified discloses comprising the further steps of:

parsing the data contained in said selected entry into segments (See <u>Rivette et al.</u> column 7, lines 45-65);

assigning an item ID having a unique value to each of said segments (See <u>Rivette et al.</u>

column 25, lines 19-65, wherein "entry ID" reads on "identifier"); and

updating the meta structure of said selected entry to include a reference to said item IDs

assigned to each of said segments (See <u>Rivette et al.</u> column 30, lines 22-36).


As to claim 3, <u>Rivette et al.</u> as modified discloses comprising the further step of:

appending the parsed data from said selected entry to a journal, said journal being a data

structure located in permanent memory (See <u>Rivette et al.</u> column 9, lines 3-16).


As to claim 4, <u>Rivette et al.</u> as modified discloses comprising the further step of:

parsing said selected entry into segments;

attaching a label to at least one of said segments, wherein said label is cross indexed with

said segment, said selected entry and with a data structure referencing at least one other entry

containing a segments with said label (See <u>Rivette et al.</u> column 7, lines 41-52, wherein "label"

reads on "note").


As to claim 5, <u>Rivette et al.</u> as modified discloses comprising the further steps of:

searching said plurality of entries based on said label (See <u>Rivette et al.</u> column 25, lines

1-9); and

displaying a results of said search on a web page, the results indicating entries from said

plurality of entries that contain said label (See <u>Rivette et al.</u> column 29, lines 24-46).

As to claim 6, <u>Rivette et al.</u> as modified discloses comprising the further step of:

attaching a user-provided label to a user-defined part of said selected entry, said label

being cross-indexed with said user-defined part, said selected entry and with a data structure

referencing other entries containing said label (See <u>Rivette et al.</u> column 7, lines 41-52, wherein

"label" reads on "note").

As to claim 7, <u>Rivette et al.</u> as modified discloses comprising the further step of:

displaying a web page containing only said user-defined part of said selected entry (See

<u>Rivette et al.</u> column 36, lines 39-54).

As to claim 8, <u>Rivette et al.</u> as modified discloses searching said plurality of entries based

on said label (See <u>Rivette et al.</u> column 21, lines 15-36, also see <u>Rivette et al.</u> column 27, lines

48-56); and

displaying a results of said search on a web page, wherein said web page indicates all of

the entries from said plurality of entries that contain said label (See <u>Rivette et al.</u> column 21,

lines 15-36, also see <u>Rivette et al.</u> column 27, lines 48-56).

As to claim 14, <u>Rivette et al.</u> a modified discloses further:

providing a permanent memory location (See <u>Rivette et al.</u> column 31, lines 4-34)

parsing the data contained within said selected entry (See <u>Rivette et al.</u> column 7, lines

45-65); and

storing the parsed data in a permanent memory location (See Rivette et al. column 31,

lines 4-34).


As to claim 15, Rivette et al. as modified discloses comprising the further steps of:

storing a reference to at least **one of**, another entry, an update to said selected entry, and a

labeling of said selected entry, in a meta structure stored in a data structure in said permanent

memory location (See Rivette et al. column 31, lines 4-34).


As to claim 16, Rivette et al. as modified discloses wherein said meta structure includes a

grammar object, said grammar object expressing a ternary relationship among said data (See

Rivette et al. column 9, lines 9-16).


As to claim 17, Rivette et al. as modified discloses wherein the altered data is contained

in said selected entry and the selected entry is an email message (See Rivette et al. column 12,

lines 65-67).


As to claim 18, Rivette et al. as modified discloses wherein the altered data is contained

in said selected entry and the selected entry is an attachment to an email message (See Rivette et

al. column 32, lines 10-32).

As to claim 19, <u>Rivette et al.</u> as modified discloses wherein the altered data is contained in said selected entry and the selected entry is a web page (See <u>Rivette et al.</u> column 32, lines 10-32).

As to claim 20, <u>Rivette et al.</u> as modified discloses wherein the altered data is contained in said selected entry and the selected entry is user-input text (See <u>Rivette et al.</u> column 11, lines 12-21, wherein "entry" reads on "object").

As to claim 21, <u>Rivette et al.</u> as modified discloses wherein said electronic device is interfaced with a network (See <u>Rivette et al.</u> column 24, lines 37-44).

As to claim 22, <u>Rivette et al.</u> as modified discloses wherein the altered data is contained in said selected entry and said data contained in said selected entry is audio data (See <u>Rivette et al.</u> column 11, lines 12-21, wherein "entry" reads on "object").

As to claim 23, <u>Rivette et al.</u> as modified discloses wherein the altered data is contained in said selected entry and said data contained in said selected entry is video data (See <u>Rivette et al.</u> column 11, lines 12-21, wherein "entry" reads on "object").

As to claim 24, <u>Rivette et al.</u> as modified discloses wherein said entry is a complete document that is not segmented prior to the assignment of said entry ID (See <u>Rivette et al.</u> column 12, lines 65-67).

As to claim 27, Rivette et al. discloses a medium holding computer-executable instructions that when executed on a computer perform a method comprising:

providing a plurality of entries containing data (See Rivette et al. column 16, lines 7-19);

assigning an entry ID to each of said entries, said entry ID being a unique value (See Rivette et al. column 25, lines 19-65, wherein "entry ID" reads on "identifier");

storing each entry indexed by the assigned entry ID (See column 25, lines 19-65, wherein "entry ID" reads on "identifier");

altering the data contained in one of a selected one of said plurality of entries and a label associated with a selected one of the plurality of entries to create a new entry, said new entry having an entry ID assigned, the new entry cross-indexed with said selected entry (See Rivette et al. column 29, lines 13-37, also see Rivette et al. column 30, lines 22-27);

updating a meta structure associated with said selected entry to indicate a time said selected entry was altered (See Rivette et al. column 14, lines 35-50, also see Rivette et al. column 21, lines 29-36, wherein "label" reads on "notes", also see Rivette et al. column 25, lines 42-65, wherein "meta" reads on "descriptor"); and

displaying said new entry in response to requests for said selected entry (See Rivette et al. column 21, lines 55-61).

Rivette et al. does not teach the metastructure maintaining a list of plurality of relationship changes occurring over time.

Cole et al. teaches the metastructure maintaining a list of plurality of relationship changes

occurring over time (See Cole et al. column 6, lines 30-43, wherein "metastructure" reads on

"keyword index").

It would have been obvious to one of ordinary skill in the art at the time the invention

was made to have modified Rivette et al. by the teaching of Cole et al. to include the

metastructure maintaining a list of plurality of relationship changes occurring over time because

it provides for it provides for accuracy of information frequently (See Cole et al. column 1, lines

64-67).


As to claim 28, Rivette et al. as modified discloses wherein said method comprises the

further steps of:

parsing said selected entry into segments (See Rivette et al. column 25, lines 19-65,

wherein "entry ID" reads on "identifier");

assigning an item ID having a unique value to each of said segments (See Rivette et al.

column 25, lines 19-65, wherein "entry ID" reads on "identifier"); and

updating the meta structure of said selected entry to include a reference to said item ID

(See Rivette et al. column 25, lines 19-65, wherein "entry ID" reads on "identifier").


As to claim 29, Rivette et al. as modified discloses wherein said method comprises the

further step of:

attaching a label to at least one of said segments (See Rivette et al. column 3, lines 30-31,

wherein "label" reads on "note"), said label cross-indexed with said segment, said selected entry

and with a table of other entries containing segments with said label (See <u>Rivette et al.</u> column

21, lines 38-47).

As to claim 30, <u>Rivette et al.</u> as modified discloses further comprising:

selecting a time slice to apply to a selected entry, said time slice corresponding to

a period of time (See <u>Rivette et al.</u> column 21, lines 29-36, wherein "label" reads on "notes");

selecting a perspective to apply to said selected entry, said perspective being a

date reference controlling which of the plurality of labels referencing said selected entry to

display with said selected entry (See <u>Rivette et al.</u> column 30, lines 22-50); and

displaying said selected entry constrained by said time slice and said perspective (See

<u>Rivette et al.</u> column 21, lines 29-36, wherein "label" reads on "notes").

As to claim 31, <u>Rivette et al.</u> discloses as modified further comprising:

searching said plurality of entries based on said label (See <u>Rivette et al.</u> column 25, lines

1-9); and

displaying the results of said search in a document referencing other entries from said

plurality of entries that contain said label (See <u>Rivette et al.</u> column 29, lines 24-46), each of the

entries indicating a time the label became affixed to the entry (See <u>Rivette et al.</u> column 21, lines

29-36, wherein "label" reads on "notes").

As to claim 32, <u>Rivette et al.</u> as modified discloses wherein the altered data is contained

in a label associated with the selected entry and the altering is one of an addition and removal

(See <u>Rivette et al.</u> column 9, lines 3-16).

As to claim 34, <u>Rivette et al.</u> as modified discloses comprising the further steps of:

removing a label associated with one of the plurality of entries (See <u>Rivette et al.</u> column

9, lines 3-16); and

adding a label associated with said one of the plurality of entries (See <u>Rivette et al.</u>

column 9, lines 3-16).

As to claims 35-37, <u>Rivette et al.</u> as modified discloses wherein the altered data is

contained in the selected entry and the data contained in the selected entry is one of audio and

video data (See <u>Rivette et al.</u> column 1, lines 39-42).

### *Allowable Subject Matter*

7.     Claims 9-13 are objected to as being dependent upon a rejected base claim, but would be

allowable if rewritten in independent form including all of the limitations of the base claim and

any intervening claims.

### *Response to Arguments*

8.     Applicant's arguments with respect to claims 1-24, 27-32 and 34-37 have been considered

but are moot in view of the new ground(s) of rejection.

## *Conclusion*

9.     The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

For list of cited references, see PTO-form 892.

10.     Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Neveen Abel-Jalil whose telephone number is 571-272-4074.

The examiner can normally be reached on 8:30AM-5:30PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jeffrey A. Gaffin can be reached on 571-272-4146.  The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system.  Status information for published applications

may be obtained from either Private PAIR or Public PAIR.  Status information for unpublished

applications is available through Private PAIR only.  For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Neveen Abel-Jalil

Jan. 20, 2007